

Amendment

Serial No.: 08/099,257

Filed: July 29, 1993

Title: VEHICLE DETECTOR WITH ENVIRONMENTAL ADAPTATION

Page 2 of 7

(ii)]

*F*  
*E1*  
*CONC*

*the vehicle exits*  
calculating a [the] time after ~~vehicle exit~~ *the vehicle exits* from the detection area at which the vehicle will not influence the period of the oscillator signal, wherein the time calculation is based upon the vehicle speed and upon a predetermined distance from the [said] detection area [at which vehicle travel will not influence said period];  
producing a sample measurement value at the calculated time after vehicle exit[ing] from the detection area;  
comparing the [a said] reference value and the sample measurement value;  
and  
~~adjusting the reference value[,]~~ based upon the comparison.

In claim 2, line 2, before "calculating" please insert --step of--; please delete the word "of" and insert therefor --after--; after "exit", please insert --from the detection area--; after "comprises" please insert --the steps of--.

In claim 3, line 1, after "wherein" please insert --the step of--; line 2, please delete "comprises" and insert therefor --further comprises the steps of--.

In claim 4, line 1, please delete the word "and"; line 2, after "comprising" please insert --the step of--.

*Sub*  
*Q3*  
*E2*  
*(Cont'd)*  
*11*

~~5. (Twice Amended) A method of checking a reference value used in an inductive sensor vehicle detector, [which comprises] comprising the steps of:~~  
measuring frequency of an oscillator signal to produce a measurement value which is a function of inductance of the inductive sensor;  
indicating presence of a vehicle if a difference between the measurement value and the reference value exceeds a threshold value;  
measuring vehicle speed of [a] the vehicle passing through a sensor area associated with the inductive sensor, the vehicle speed measurement based upon a rate of frequency change and a magnitude of frequency change of the oscillator signal caused by the vehicle;  
*the*  
determining a time after ~~vehicle exits~~ *the* from the sensor area, based upon the ~~vehicle speed and upon a predetermined distance from the sensor area, at which the~~